Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit B, Chapter 3, Lesson 1 (pp. B92-B95) Reading Review Sheet-Part B**

1. Scientists now know that the \_\_\_\_\_\_\_\_\_\_\_\_ top layer of the upper mantle and the \_\_\_\_\_\_\_\_\_\_\_\_\_ are attached and work together.
2. The upper mantle and the curst form a special layer called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is divided into several large and small pieces.
4. Each huge slab of rock, in the lithosphere is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. The continents of \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ appear to “fit” together.
6. The English scientist, \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, noticed that the continents could fit together.
7. By the 1960’s, scientists concluded that the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the asthenosphere pushed the pieces around.
8. What causes convection currents?
9. Describe the motion caused by convection currents. (you may use a drawing)
10. If one of the ocean crusts reaches the edge of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, it may be forced \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the mantle.
11. If an ocean crust slips under another piece of crust, it can form an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
12. The \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, of the lithospheric pieces is what causes continents to move.
13. In the 1960’s, evidence led scientists to deduce that the \_\_\_\_\_\_\_\_\_\_\_\_ had been \_\_\_\_\_\_\_\_\_\_\_\_ millions of years ago.
14. One major piece of evidence is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_.
15. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have discovered identical \_\_\_\_\_\_\_\_\_\_\_\_, from the same time period, on the coasts of different \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
16. Geologists also discovered that the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ shores of South America and Africa have the same layers of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
17. In 1912, a German meteorologist, \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_, proposed a model of Earth’s land before the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ separated.
18. He (from ques. 17) called the single landmass \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ideas were originally \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because he could not offer a good explanation of how the continents moved.
20. After the discovery that the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_could move the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, Wegener’s ideas were reconsidered.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit B, Chapter 3, Lesson 1 (pp. B92-B95) Reading Review Sheet-Part B**

1. Scientists now know that the **solid** top layer of the upper mantle and the **crust** are attached and work together.
2. The upper mantle and the curst form a special layer called the **lithosphere**.
3. The **lithosphere** is divided into several large and small pieces.
4. Each huge slab of rock, in the lithosphere is called a **plate**.
5. The continents of **South** **America** and **Africa** appear to “fit” together.
6. The English scientist, **Francis** **Bacon**, noticed that the continents could fit together.
7. By the 1960’s, scientists concluded that the **convection** **currents** in the asthenosphere pushed the pieces around.
8. What causes convection currents?
9. Describe the motion caused by convection currents. (you may use a drawing)
10. If one of the ocean crusts reaches the edge of a **continent**, it may be forced **downwards** into the mantle.
11. If an ocean crust slips under another piece of crust, it can form an **ocean** **trench**.
12. The **crustal** **movement**, of the lithospheric pieces is what causes **continents** to move.
13. In the 1960’s, evidence led scientists to deduce that the **continents** had been **joined** millions of years ago.
14. One major piece of evidence is the **fossil** **record**.
15. **Geologists** have discovered identical **fossils**, from the same time period, on the coasts of different **continents**.
16. Geologists also discovered that the **Atlantic** shores of South America and Africa have the same layers of **rocks**.
17. In 1912, a German meteorologist, **Alfred** **Wegener**, proposed a model of Earth’s land before the continents separated.
18. He (from ques. 17) called the single landmass **Pangaea**.
19. **Wegener’s** ideas were originally **rejected** because he could not offer a good explanation of how the continents moved.
20. After the discovery that the **asthenosphere** could move the **continents**, Wegener’s ideas were reconsidered.